USER SECURITY

Do respect the power supply voltages and the connection terminals.
Do not modify or dismantle all or part of the product.
Do not connect or clean when power is on.
Do not watch the lighting source directly, and follow the advice below :

- If the workstation enables it, interpose a filter that will stop the lighting radiation under fixed or adjustable frame between the source and the operator.
- When these measures cannot be implemented, supply the operators with glasses (class 4) available for sale at TPL Vision, or with a dedicated protective mask, that will stop the lighting radiation.
- Forbid or limit the direct access to the lighting source (exposure into the radiation axis).
- Establish a security perimeter so as to prevent the operators from approaching the lighting source beyond the recommendations of the manufacturer, as for eye irritation is concerned.
- In any case, ensure that the chosen means properly reduce the exposition quantities (features of screens or glasses to be chosen, according to the wavelengths that the operators are exposed to).

EQUIPMENT MAINTENANCE

CLEANING (when the product is switched off)

Please use a soft and dry cloth.
Do not use any abrasive material.
Do not use any cleaning solvent or aggressive chemical product.

IP 65 OPTION

If your product is equipped with a black seal on each side of the diffuser, then it can bear water splashing from any direction according to the international standard IEC 60529.

For maximum efficiency, it is highly recommended that you don't block the blowhole located on the rear side.

TPL VISION
Active LED solutions

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Version C-2, 2014/06 edition.

Features and presentations liable to changes without notice.

TPL VISION
Active LED solutions

ESSENTIAL EBAR
USER'S GUIDE

PREAMBLE

This notice includes all the advice and warnings that enables a correct set up and a safe use of the product. TPL Vision can not be responsible for the bad use of the notice. If so, TPL Vision cancels the guarantee's effects.

IP40 | IP65 option | +40 0°C | 24V ±10%

UNPACKING

Products are packed in our factory, using suitable materials for a safe transport through the usual means of transportation, in France and abroad. However, a damaged package must be reported to the carrier on delivery. Hand-written reservations must be indicated on the delivery order. Moreover, please send a letter or an email to TPL Vision as soon as possible (up to 24 hours after the delivery). If the transportation damage has not been stipulated on the delivery order and reported to TPL Vision in time, the package will not be taken back nor exchanged. To open the package, do not use any cutting blade so as to avoid damages on the product. Please use the delivered accessories, if needed (do not use any other products or equivalents to replace the delivered accessories).

RISK CLASS

The EN-62471 norm about lighting fluxes enables the classification of led lightings in 4 distinct groups, according to their hazardousness degree. Please find below an indicative table, recapitulating the classes of risk.

Colour	Class	Risk
White WHI, Green 525 nm, Red 630 nm	0	none
UV 405 nm, Blue 470 nm, IR 850 nm	1	low
UV 365 nm	2	moderate
UV 385 nm	3	high

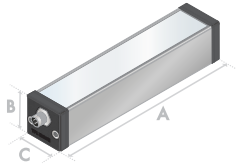
In all cases, TPL Vision recommends the use of **the protection glasses** that are listed in its catalog.

For more information about photobiological risks, do not hesitate to contact us.

IP40 | IP65 option | +40 0°C | 24V ±10%

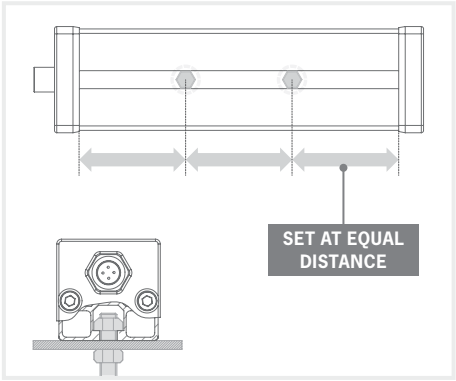
DIMENSIONS

	Length (mm)	Height (mm)	Width (mm)
	A	B	C
EBAR5	153	47	47
EBAR10	278	47	47
EBAR15	403	47	47
EBAR20	528	47	47
EBAR25	653	47	47
EBAR30	778	47	47
EBAR35	903	47	47
EBAR40	1028	47	47
EBAR45	1153	47	47
EBAR50	1278	47	47



IP65 Option:
add 3 mm to the length above mentionned.

FIXING

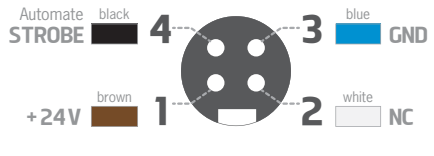


During the set up, the light has to be switched off and unplugged. Please use the 2 delivered nuts and insert them in the groove located in the back of the lighting. The lighting will be better fixed if you spread the attachment points as indicated on the scheme above.

We recommend the using of M8 screws (not supplied) with a tightening torque from 0.5 to 1.5 Nm. We also recommend the use of a threadlocker (not supplied) to avoid any risk of loosening.

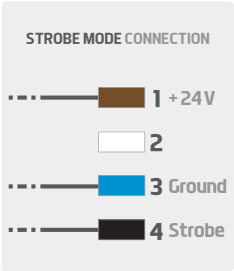
CONNECTION

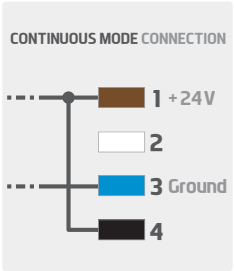
M12 4 male points



In STROBE mode:
STROBE entry = 24 V
or 5V TTL -> light on

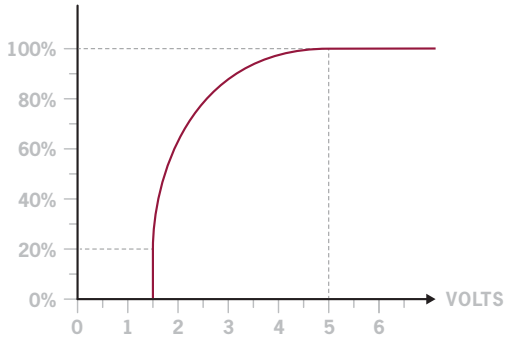
FRONT VIEW
OF THE CONNECTOR





STROBE MODE

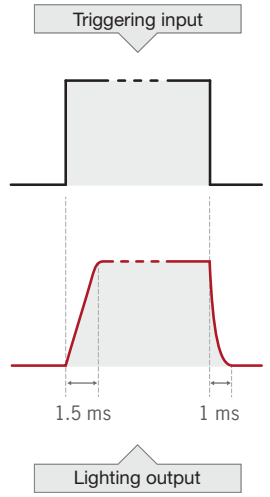
DIMMING



Potential dimming between 1.5 and 5 Volts.

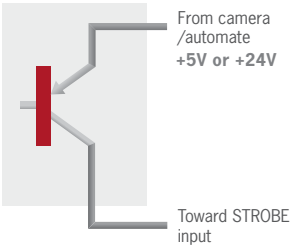
Above 5 Volts, the product reaches 100% of its lighting power.

TIMETABLE



Power supply : 24V +/-10%
Strobe input : 24V or 5V TTL

PNP-LIKE AUTOMATON OUTPUT



NPN-LIKE AUTOMATON OUTPUT